

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050622\
 Data File : BF128130.D
 Acq On : 06 May 2022 18:01
 Operator : CG\JU
 Sample : N2712-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GROUND-WATER

Quant Time: May 06 23:25:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 05 17:56:23 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

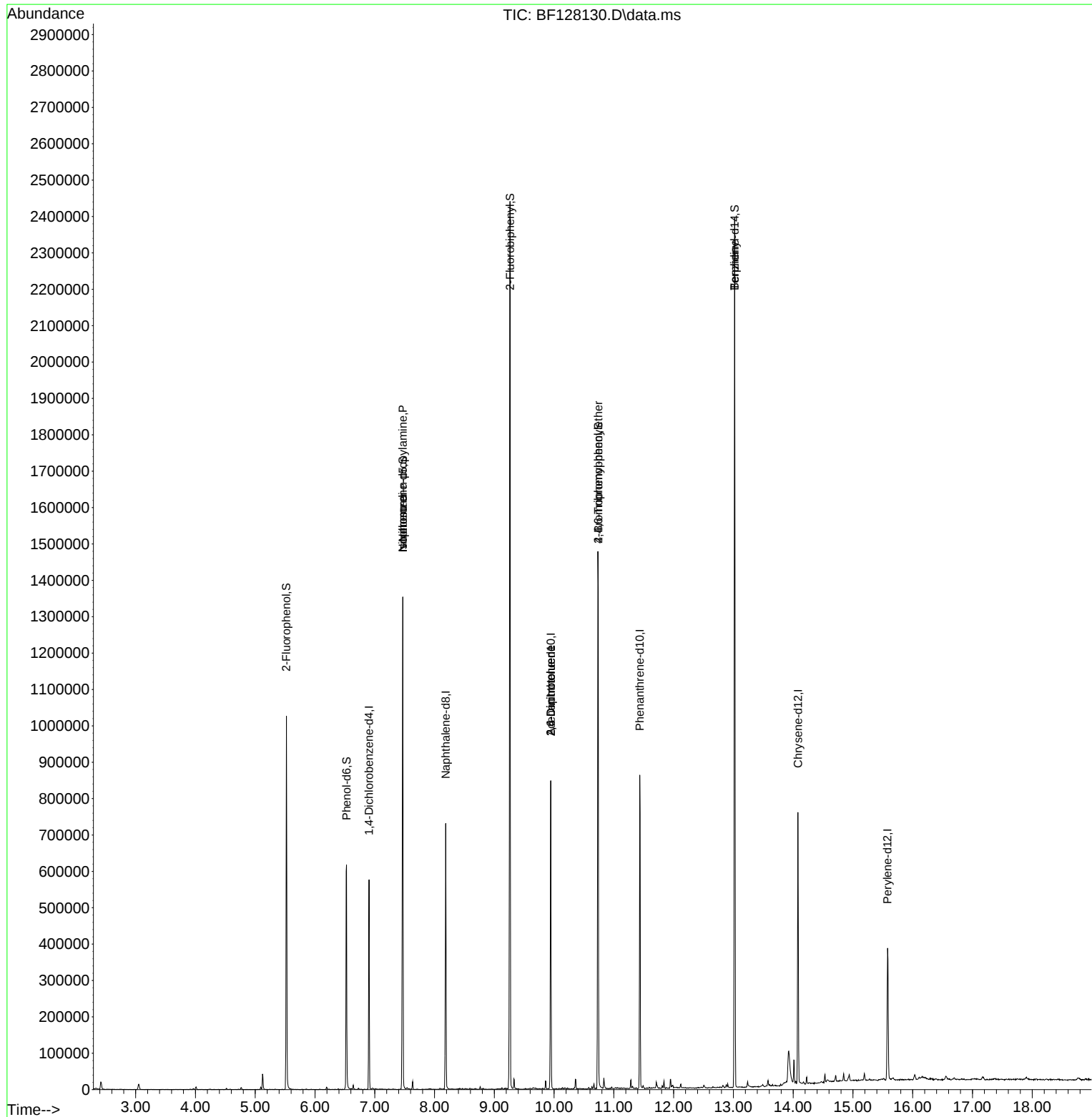
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	72747	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	285292	20.000	ng	-0.01
39) Acenaphthene-d10	9.945	164	164643	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	314995	20.000	ng	-0.01
76) Chrysene-d12	14.080	240	240826	20.000	ng	-0.01
86) Perylene-d12	15.580	264	170250	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	238292	52.174	ng	-0.01
7) Phenol-d6	6.528	99	203693	34.371	ng	-0.02
23) Nitrobenzene-d5	7.469	82	433717	71.489	ng	-0.01
42) 2,4,6-Tribromophenol	10.739	330	183754	110.868	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	707628	72.710	ng	0.00
79) Terphenyl-d14	13.021	244	785876	59.671	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.469	70	57929	15.968	ng	# 78
25) Isophorone	7.469	82	432068	42.314	ng	# 68
51) 2,6-Dinitrotoluene	9.945	165	20662	8.643	ng	# 21
57) 2,4-Dinitrotoluene	9.945	165	20662	6.525	ng	# 25
67) 4-Bromophenyl-phenylether	10.739	248	11462	3.282	ng	# 1
77) Benzidine	13.021	184	11056	2.426	ng	# 92

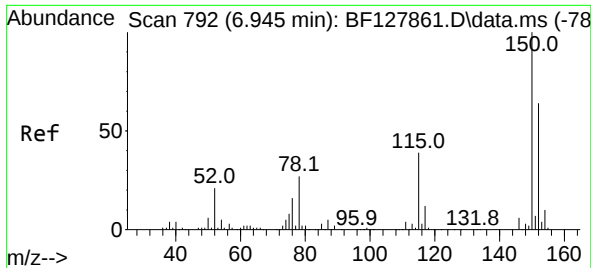
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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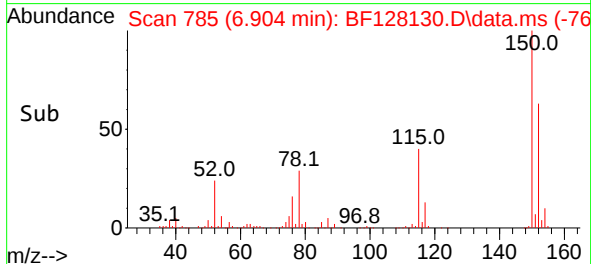
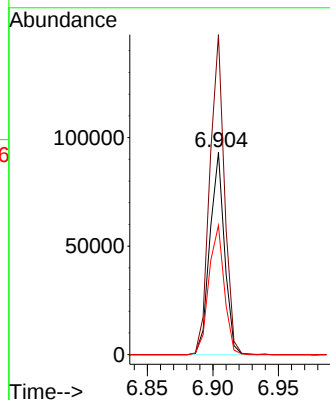
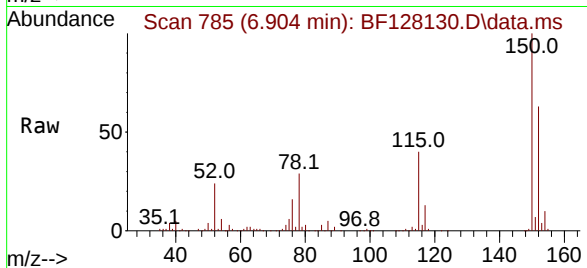




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF128130.D
 Acq: 06 May 2022 18:01

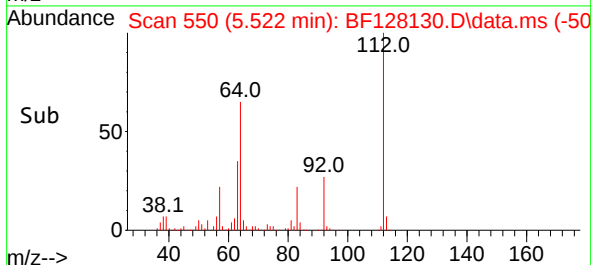
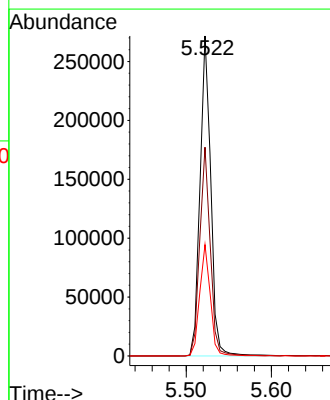
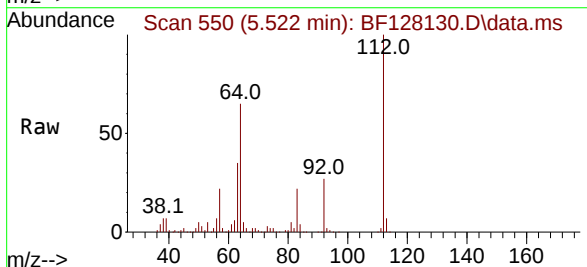
Instrument :
 BNA_F
 ClientSampleId :
 GROUND-WATER

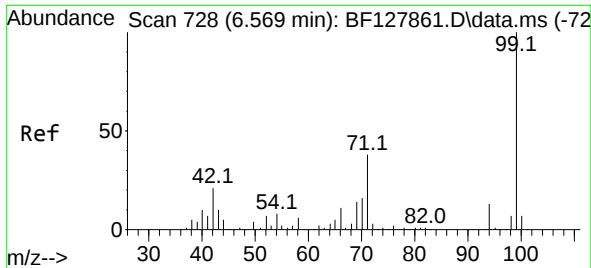
Tgt Ion:152 Resp: 72747
 Ion Ratio Lower Upper
 152 100
 150 158.2 125.3 187.9
 115 63.9 48.8 73.2



#5
 2-Fluorophenol
 Concen: 52.174 ng
 RT: 5.522 min Scan# 550
 Delta R.T. -0.012 min
 Lab File: BF128130.D
 Acq: 06 May 2022 18:01

Tgt Ion:112 Resp: 238292
 Ion Ratio Lower Upper
 112 100
 64 65.2 49.5 74.3
 63 34.8 26.3 39.5

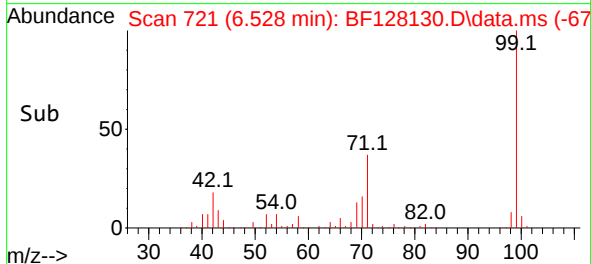
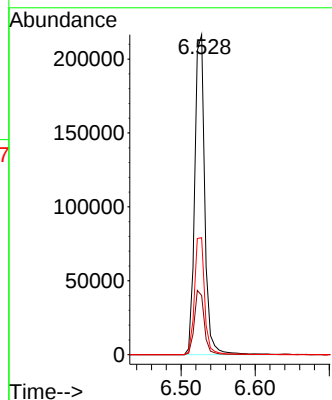
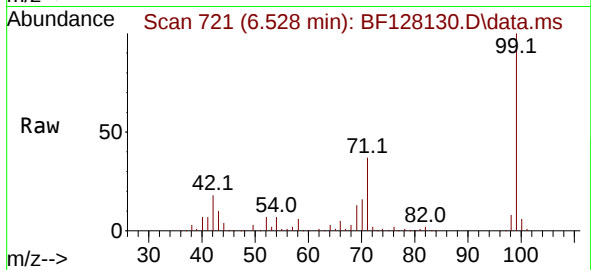




#7
Phenol-d6
Concen: 34.371 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF128130.D
Acq: 06 May 2022 18:01

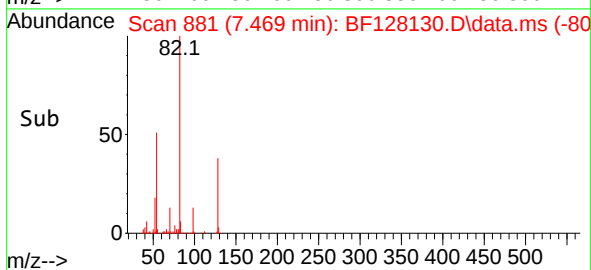
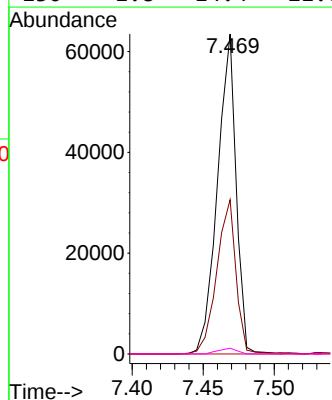
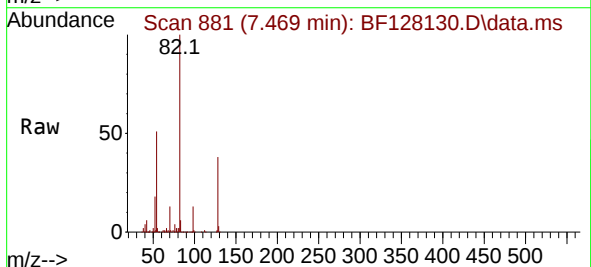
Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

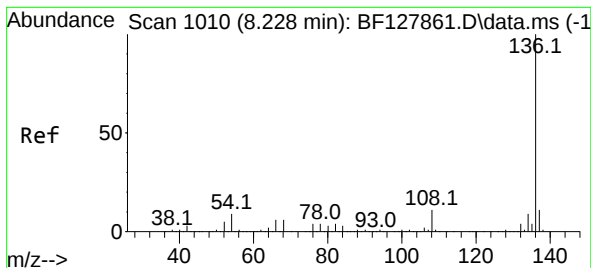
Tgt Ion: 99 Resp: 203693
Ion Ratio Lower Upper
99 100
42 18.5 16.6 24.8
71 36.6 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 15.968 ng
RT: 7.469 min Scan# 881
Delta R.T. 0.141 min
Lab File: BF128130.D
Acq: 06 May 2022 18:01

Tgt Ion: 70 Resp: 57929
Ion Ratio Lower Upper
70 100
42 48.2 48.7 73.1#
101 0.0 7.2 10.8#
130 1.8 14.4 21.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.187 min Scan# 1003

Delta R.T. -0.012 min

Lab File: BF128130.D

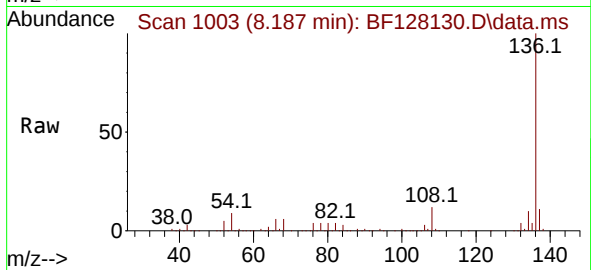
Acq: 06 May 2022 18:01

Instrument :

BNA_F

ClientSampleId :

GROUND-WATER



Tgt Ion:136 Resp: 285292

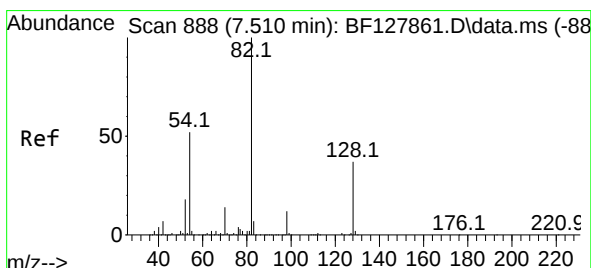
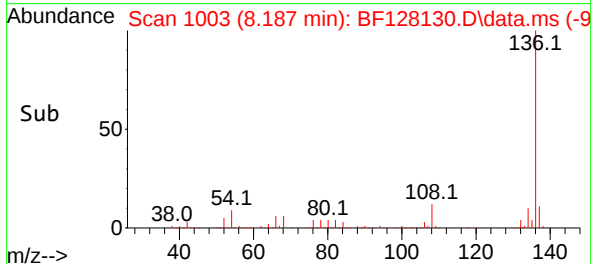
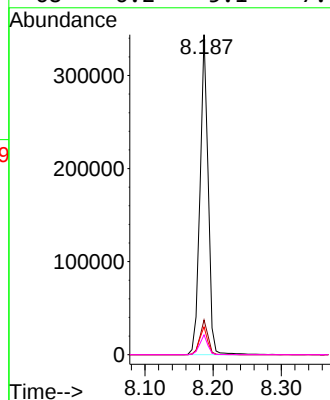
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 8.7 6.8 10.2

68 6.2 5.1 7.7



#23

Nitrobenzene-d5

Concen: 71.489 ng

RT: 7.469 min Scan# 881

Delta R.T. -0.012 min

Lab File: BF128130.D

Acq: 06 May 2022 18:01

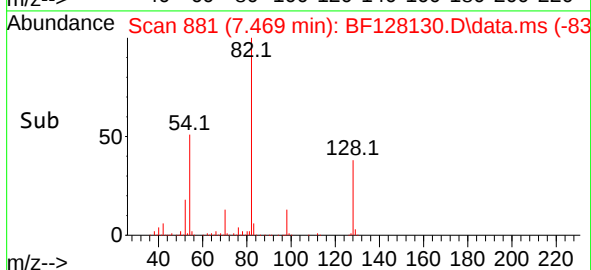
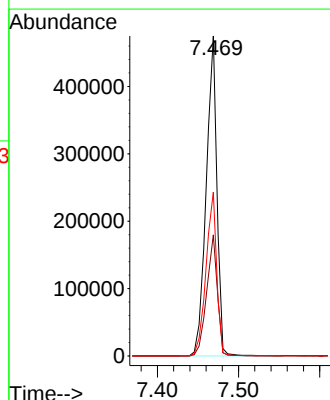
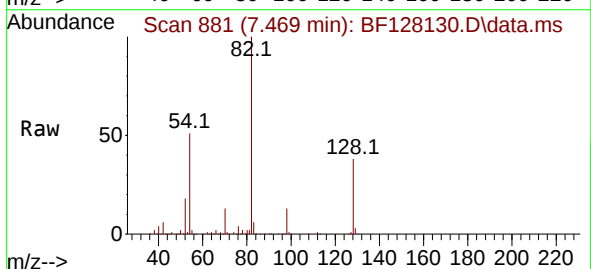
Tgt Ion: 82 Resp: 433717

Ion Ratio Lower Upper

82 100

128 37.9 30.0 45.0

54 51.2 41.3 61.9

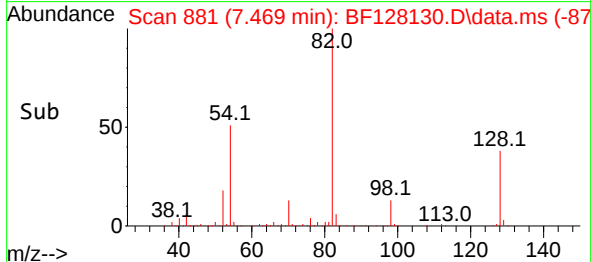
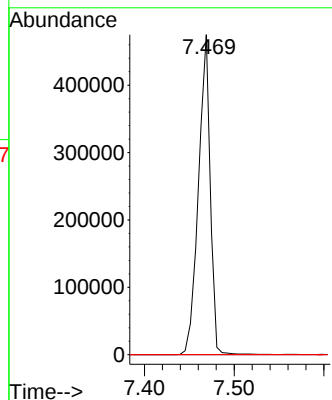
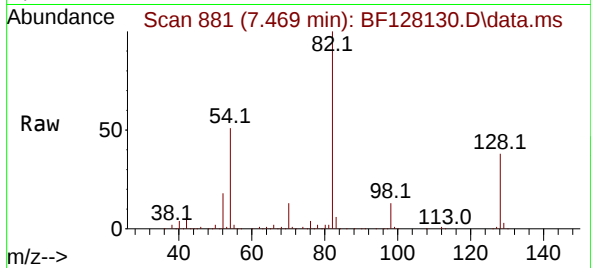




#25
Isophorone
Concen: 42.314 ng
RT: 7.469 min Scan# 81
Delta R.T. -0.270 min
Lab File: BF128130.D
Acq: 06 May 2022 18:01

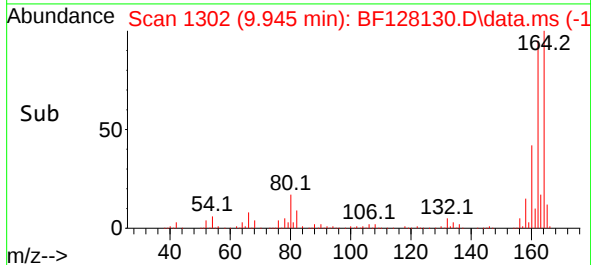
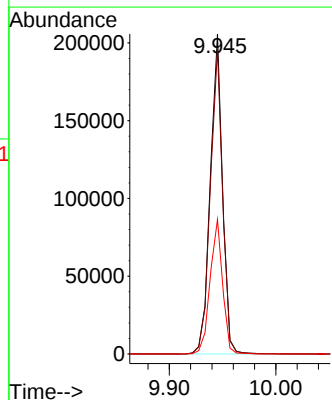
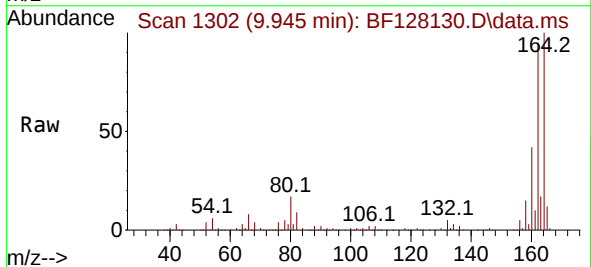
Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

Tgt Ion: 82 Resp: 432068
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF128130.D
Acq: 06 May 2022 18:01

Tgt Ion:164 Resp: 164643
Ion Ratio Lower Upper
164 100
162 95.3 76.0 114.0
160 42.0 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 110.868 ng

RT: 10.739 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF128130.D

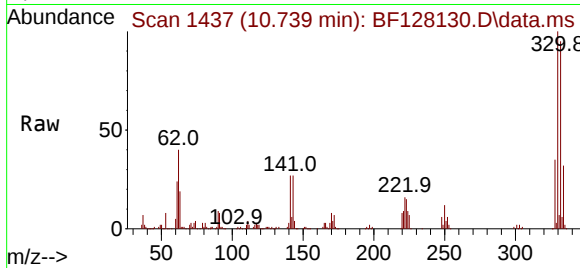
Acq: 06 May 2022 18:01

Instrument :

BNA_F

ClientSampleId :

GROUND-WATER



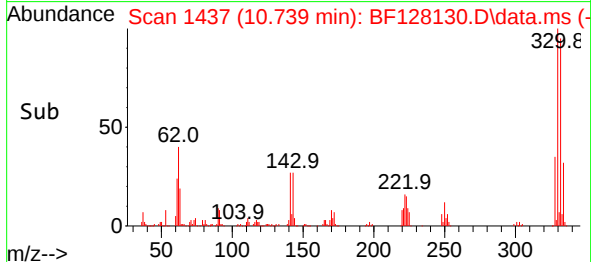
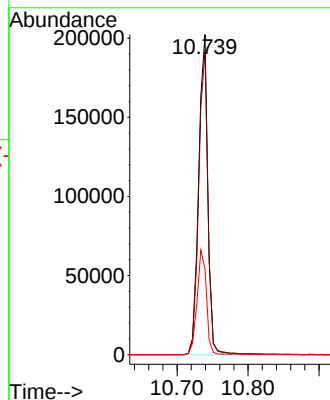
Tgt Ion:330 Resp: 183754

Ion Ratio Lower Upper

330 100

332 95.0 79.0 118.4

141 32.9 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 72.710 ng

RT: 9.263 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF128130.D

Acq: 06 May 2022 18:01

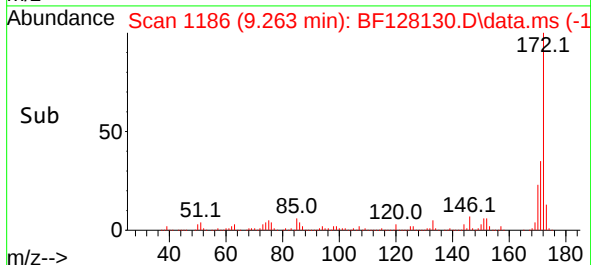
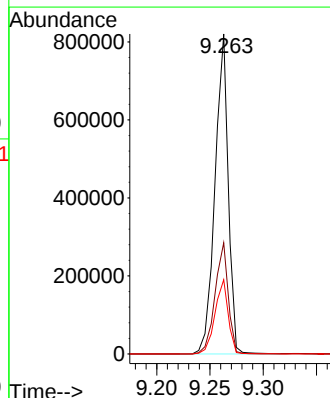
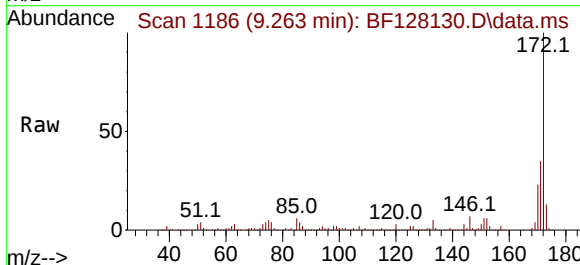
Tgt Ion:172 Resp: 707628

Ion Ratio Lower Upper

172 100

171 34.7 28.6 42.8

170 23.2 19.1 28.7

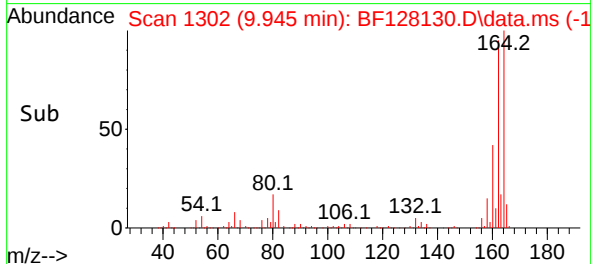
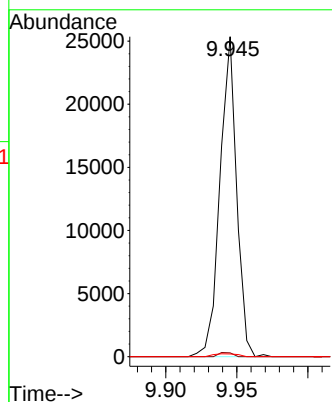
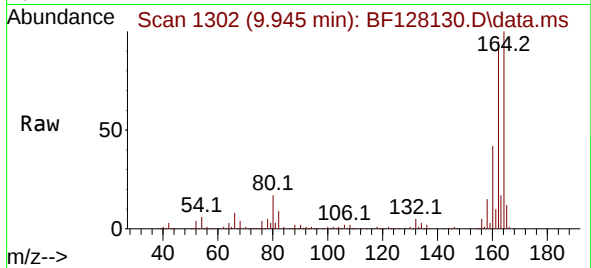




#51
2,6-Dinitrotoluene
Concen: 8.643 ng
RT: 9.945 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF128130.D
Acq: 06 May 2022 18:01

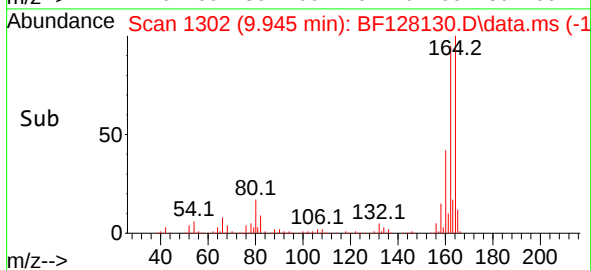
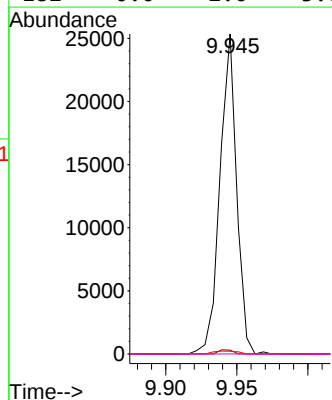
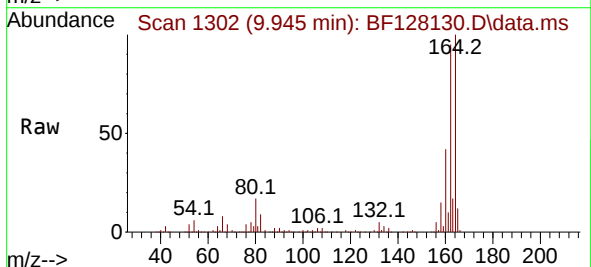
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GROUND-WATER

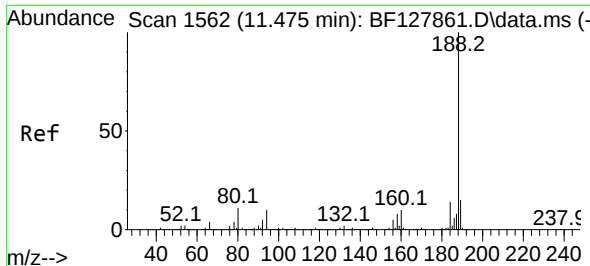
Tgt Ion:165 Resp: 20662
Ion Ratio Lower Upper
165 100
63 1.2 49.5 74.3#
89 0.8 49.0 73.4#



#57
2,4-Dinitrotoluene
Concen: 6.525 ng
RT: 9.945 min Scan# 1302
Delta R.T. -0.200 min
Lab File: BF128130.D
Acq: 06 May 2022 18:01

Tgt Ion:165 Resp: 20662
Ion Ratio Lower Upper
165 100
63 1.2 32.6 49.0#
89 0.8 55.2 82.8#
182 0.0 2.0 3.0#

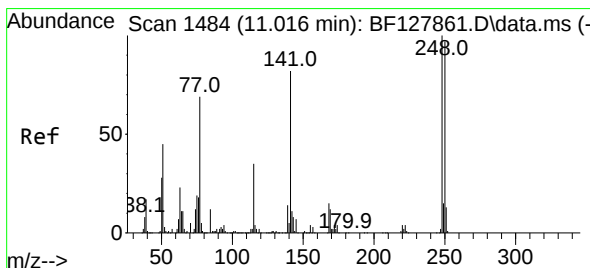
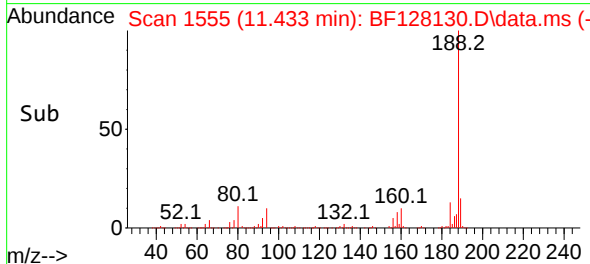
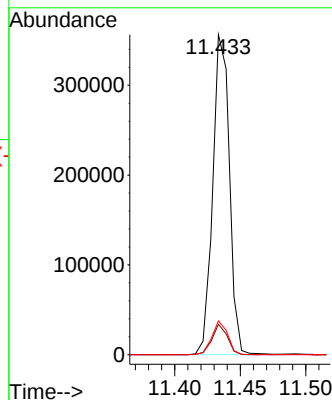
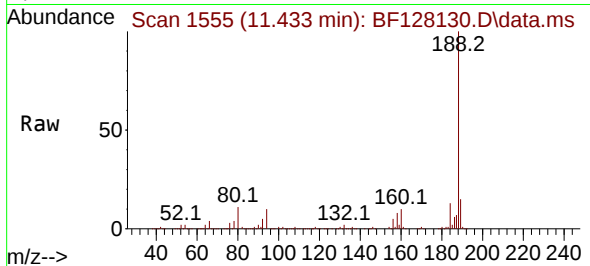




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128130.D
Acq: 06 May 2022 18:01

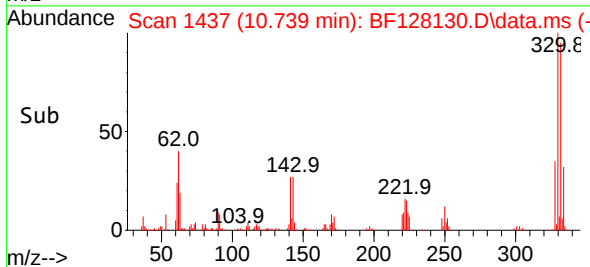
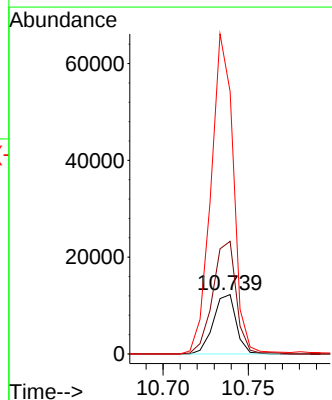
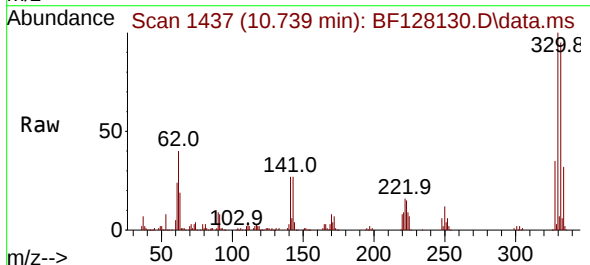
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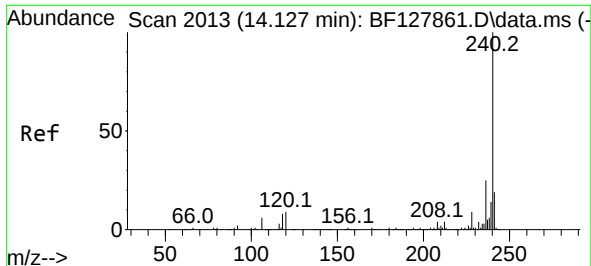
Tgt Ion:188 Resp: 314995
Ion Ratio Lower Upper
188 100
94 9.5 8.0 12.0
80 10.5 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 3.282 ng
RT: 10.739 min Scan# 1437
Delta R.T. -0.247 min
Lab File: BF128130.D
Acq: 06 May 2022 18:01

Tgt Ion:248 Resp: 11462
Ion Ratio Lower Upper
248 100
250 189.9 77.7 116.5#
141 442.1 65.6 98.4#

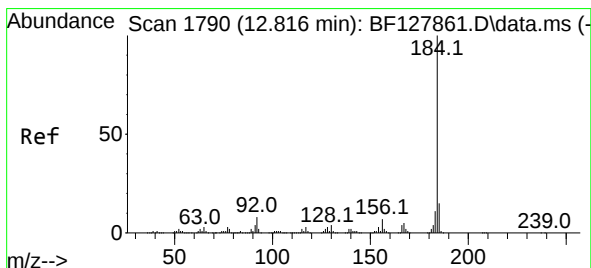
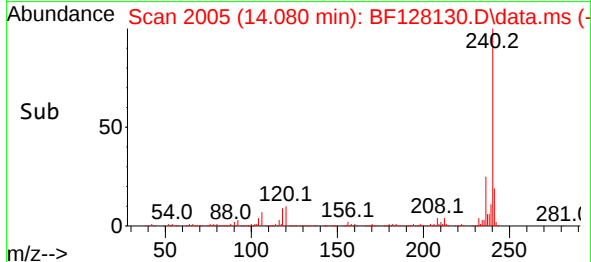
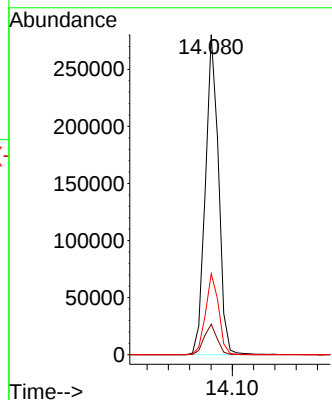
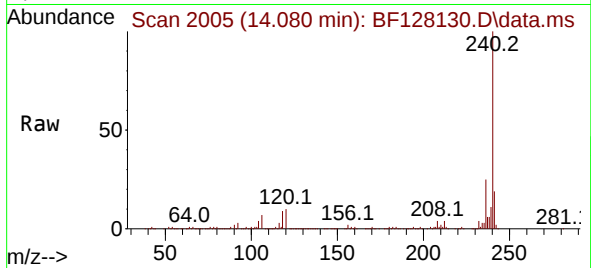




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2013
Delta R.T. -0.012 min
Lab File: BF128130.D
Acq: 06 May 2022 18:01

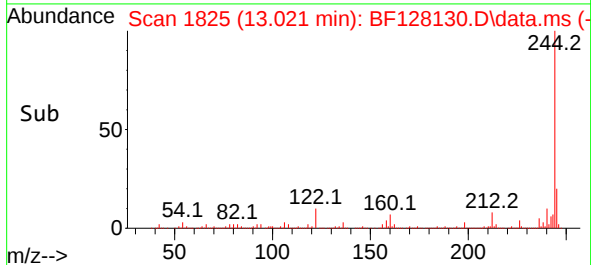
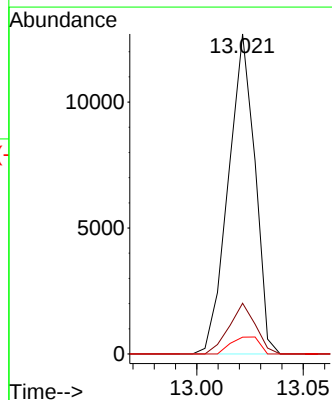
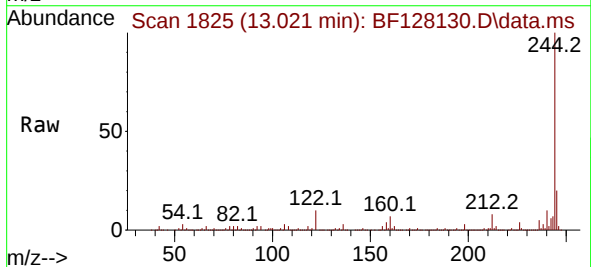
Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

Tgt Ion:240 Resp: 240826
Ion Ratio Lower Upper
240 100
120 9.5 7.0 10.6
236 25.3 20.3 30.5



#77
Benzidine
Concen: 2.426 ng
RT: 13.021 min Scan# 1825
Delta R.T. 0.241 min
Lab File: BF128130.D
Acq: 06 May 2022 18:01

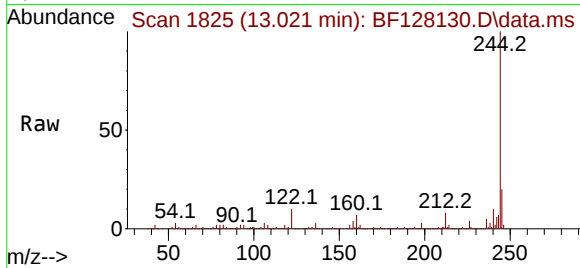
Tgt Ion:184 Resp: 11056
Ion Ratio Lower Upper
184 100
185 15.9 12.1 18.1
183 5.2 9.0 13.4#



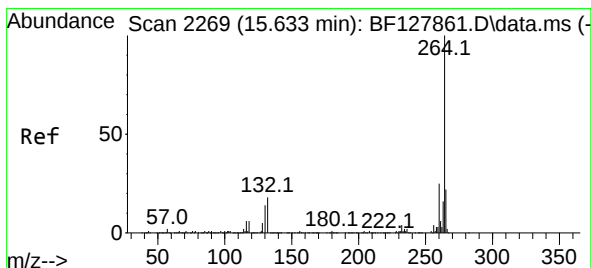
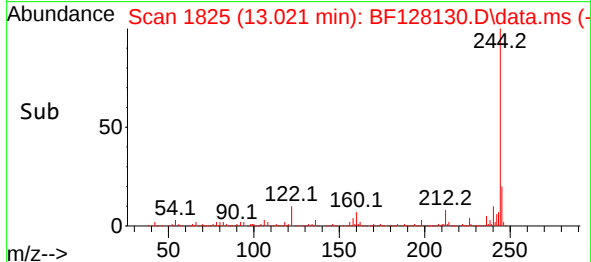
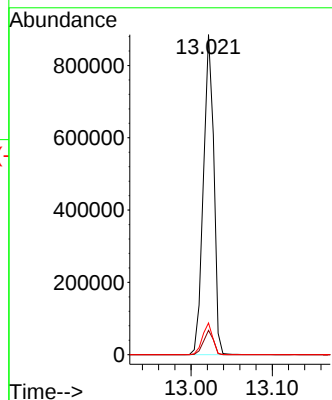


#79
 Terphenyl-d14
 Concen: 59.671 ng
 RT: 13.021 min Scan# 1832
 Delta R.T. -0.012 min
 Lab File: BF128130.D
 Acq: 06 May 2022 18:01

Instrument :
 BNA_F
 ClientSampleId :
 GROUND-WATER



Tgt Ion:244 Resp: 785876
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.4
 122 9.9 8.6 12.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.580 min Scan# 2260
 Delta R.T. -0.012 min
 Lab File: BF128130.D
 Acq: 06 May 2022 18:01

Tgt Ion:264 Resp: 170250
 Ion Ratio Lower Upper
 264 100
 260 24.3 20.1 30.1
 265 21.7 17.5 26.3

